

REMARKS

Applicant appreciates the indication that Claims 2, 3, 9, and 12 are allowed, and that Claims 10 and 11 would be allowable if in independent form.

Applicant also appreciates the Examiner's explanation of the grounds of rejection. On careful review of the rejection, Applicant believes that the amendment of Claim 1 overcomes the rejections and renders Claim 1 and all claims depending therefrom allowable.

Accordingly, review and reconsideration of the Office Action of March 18, 2005 are respectfully requested in view of the above amendments and the following remarks.

Overview

The present application concerns a device for **stereo-projection** using a first partial light bundle (B-1, G-1, R-1) and a second partial light bundle (B-2, G-2, R-2) complementary to the first partial light bundle.

Previously, the closest cited prior art achieved stereo-projection using polarized light (light for left eye image orthogonal to light for right eye image). The disadvantages of using polarized light, and the advantages of using different frequencies of color light, were explained in detail in the previous Amendment.

Thus, Applicant was surprised that the claims were not allowed in response to the Amendment.

On careful review of the rejection, it appears that the Examiner is not reading the claim as a whole, but is focusing on one word, and interprets the claim limitation "complementary" as including complementary images of polarized light.

Applicant does not agree with the Examiner since, reading the claim as a whole, the claim requires splitting a radiation spectrum into a first partial light bundle (B-1, G-1, R-1) and a second partial light bundle (B-2, G-2, R-2) "complementary to the first light bundle". "Spectrum" refers to color (wavelength ranges), not wave orientation. "Complementary" means not overlapping.

Nevertheless, Applicant now sees that the position of the Examiner can be overcome by simply reciting in Claim 1 that the wavelength ranges for B2, G2 and R2 are within the wavelength range for a dominant excitation of the blue, green and red receptors in the human eye and lie outside the wavelength ranges B1, G1, R1. This clearly removes the present claim from the polarization based system of the prior art.

It is noted that Claim 12 was apparently previously indicated to be allowable because it specifically quantitatively defined the six different (2x3) wavelength ranges (such that there is no overlap). The same result (no overlap, thus not reading on Lee) is now found in Claim 1 in the recitation that the wavelength ranges for B2, G2 and R2 lie outside the wavelength ranges B1, G1, R1.

Although Applicant believes that the present amendment renders the application allowable, in view of the finality of

the Office Action, Applicant files both a written response (Amendment) and a Request for Telephone Interview.

Office Action

Turning now to the Office Action in greater detail, the paragraphing of the Examiner is adopted.

Claims 1-3 and 5-12 are pending in the application. Claims 1 and 5-8 are rejected.

Claims 2, 3, 9, and 12 are allowable, and Claims 10 and 11 would be allowable if in independent form.

Claim Objections

Claims 9-10 are objected to.

Applicant notes that all that is needed is to change "first" to "splitter" in two places.

Withdrawal of the rejection is respectfully requested.

Claim Rejections - 35 USC § 102

Claims 1 and 5-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Lee (U.S. Patent No. 5,121,983).

The position of the Examiner can be found on pages 2 and 3 of the Office Action.

Applicant respectfully traverses.

Basically, Lee projects a stereo image by projecting left and right polarized images with the **same color** but different orientation - i.e., left and right images with the same light frequencies but with orthogonal polarity.

The technical differences between polarized stereoscopic and chromatic stereoscopic images were explained in detail in the previous Amendment. The Examiner does not disagree that there may be significant differences. The Examiner does disagree with our argument that Claim 1 requires chromatic separation. The Examiner simply looks to the word "complementary".

It is noted that Claim 12 was apparently previously indicated to be allowable because it specifically quantitatively defined the six different (2x3) wavelength ranges (such that there is no overlap).

Now that Applicant understands the position of the Examiner, Applicant respectfully submits that the rejection is overcome by the amendment of Claim 1 to recite that the wavelength ranges for B2, G2 and R2 are within the wavelength range for a dominant excitation of the blue, green and red receptors in the human eye and lie outside the wavelength ranges B1, G1, R1. This clearly removes the present claim from the polarization based system of the prior art.

Withdrawal of the rejection is respectfully requested.

Claim Rejections - 35 U.S.C. 103

Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lee (U.S. Patent No. 5,121,983) in view of Faris (U.S. Patent No. 5,886,816).

The position of the Examiner can be found on pages 3 and 4 of the Office Action. The position appears to be the same as for Claim 1.

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Applicant notes that, since the claimed glasses are to be used for viewing the image projected with the projector of Claim 1, that the glasses of Claim 8 should be allowable if amended to have the same limitation as Claim 1.

In view of the amendment of Claim 8, for the reasons discussed above, indication of allowance is respectfully requested.

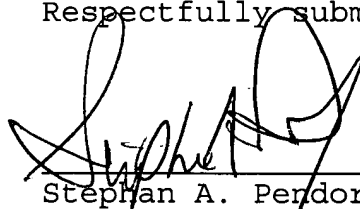
Allowable Subject Matter

Claims 2, 3, 9, (10, 11) and 12 are merely objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Applicant submits that, in view of the amendment of Claims 1 and 8, all claims are in condition for allowance.

Accordingly, early issuance of the Notice of Allowance is respectfully requested. Should further issues remain prior to allowance, the Examiner is respectfully requested to contact the undersigned at the indicated telephone number.

Respectfully submitted,



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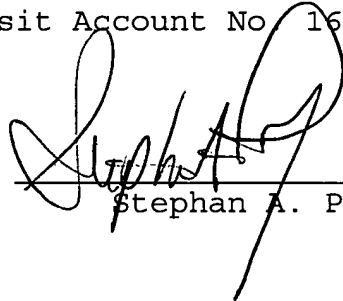
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CERTIFICATE OF MAILING AND AUTHORIZATION TO CHARGE

I hereby certify that the foregoing AMENDMENT B for U.S. Application No. 10/790,389 filed March 1, 2004, was deposited in first class U.S. mail, with sufficient postage, addressed: Mail Stop Amendment, Commissioner of Patents and Trademarks, P. O. Box 1450, Alexandria, VA 22313-1450, on **July 18, 2005**.

The Commissioner is hereby authorized to charge any additional fees which may be required at any time during the prosecution of this application without specific authorization, or credit any overpayment, to Deposit Account No. 16-0877.



Stephan A. Pendorf